



DoD/VA Clinical Data Repository/Health Data Repository Project

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Draft



CHDR Topics



-
- What it is
 - How it works
 - Current status
 - Challenges
 - Next steps



Path to Interoperability

FHIE

Federal
Health
Information
Exchange

BHIE

Bidirection
al Health
Information
Exchange

CHDR

Clinical
Data
Repository
/ Health
Data
Repository

*Interoperabl
e Electronic
Health
Records*



Clinical Data Repository/Health Data Repository (CHDR)

Supports interoperability between
DoD's Clinical Data Repository (CDR) &
VA's Health Data Repository (HDR)



*Two-way,
Enterprise exchange,
Computable data*



CHDR Functionality



- Establishes interoperability between DoD's CDR of AHLTA and VA's HDR of VistA
- Supports the first exchange of interoperable and computable outpatient pharmacy and medication allergy data between the Departments in a live patient care environment
 - Standardized, computable data supports drug-drug and drug-allergy checks using data from both DoD and VA
- Providers from either agency can view a combined medication and allergy list without having to access a separate application



CHDR - How Does it Work?



- When a shared beneficiary appears for healthcare services for the first time at either agency, the Active Dual Consumer (ADC) flag is activated, medication and drug allergy data is exchanged between the repositories
- When a new medication or drug allergy is recorded by a provider in either agency, the new data is sent to the other agency repository



DoD CHDR Web Manager Application - Log in






Login - CHDR v2.0.086 - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Word Excel PowerPoint

Address <https://ugunh435.mont.disa.mil:8686/chdr/login.jsp> Go Links

 **CHDR**
Manager Application  

Please enter your username and password.

Username:

Password:

User logs in with AHLTA User Id and Password

Done Internet

start Microsoft Outlook We... https://hasdmzmail01... Login - CHDR v2.0.086... 4:34 PM



DoD CHDR Web Manager Application - Patient Search




ADC Status - Manage Patients - CHDR v0.1.0 - Microsoft Internet Explorer provided by AT&T WorldNet Service

File Edit View Favorites Tools Help


Back Forward Stop Search Favorites Media

Address <https://dev1cha1:8888/chdr/adc/beginSearchApp.jsp> Go

 **CHDR**
GLOBAL INFORMATION
for QUALITY CARE
Manager Application

Home > Patient ADC Status

Home
Manage Patients
ADC Status
Sync Status
Log Out

Last Name:
First Name:
Date of Birth: 
Social Security Number: (no dashes)

**User
enters
patient
search
criteria**

Done Local intranet



DoD CHDR Web Manager Application - Patient Activation

System Status - CHDR v0.1.0 - Microsoft Internet Explorer provided by AT&T WorldNet Service

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites Media Print Mail News RSS Feeds

Address <https://dev1cha1:8888/chdr/adc/displayPatient.jsp?patientid=4200000532> Go

CHDR Manager Application

GLOBAL INFORMATION for QUALITY CARE

Home > Patient ADC Status > Status

Name: MANADC CHDRKCCAAD
Social Security Number: 666010004
Date of Birth: January 14, 1955
Sex: F

ADC Status: Active

Street Address:
Home Phone:

DEERS ID: 4200000532
VA Identifier: 1011007318V882964
Patient Category: K53
Primary Care Manager:

[View sync status](#)

Change Status to Inactive

System returns a match, if one is found

User can activate or inactivate the patient ADC status

Done Local intranet



DoD AHLTA Medication List with VA Data

VADER, TW: Military Clinical Desktop - Meds (Privacy Act of 1974/FOUO)

GRISCOM, MISS Q 201066-11-2345 30yo F DOB:09 Jun 1975

Search Filter: Outpatient Current

DoDVA ADC Status Indicator

The medication list should be validated with patients for their safety.

Disp	Medication Name	Sig	Refills	Status	OTC	Last Filled Date	Ordering Provider	Order Start Date	Order Expiration Date	Facility/CHCS Host	Or
DoD	USINOPRIL, 20MG, TABLET, ORAL	T1 TAB PO QD #90 RF3	3 of 3	Active		06 Oct 2005	GBESTER, G	06 Oct 2005	06 Oct 2006	NMC Portsmouth	05
DoD	THIAMINE HCL, 50MG, TABLET, ORAL	TID	2 of 3	Active		23 Sep 2005	DDCTOR, CHEWBACCA	23 Sep 2005	23 Sep 2006	NMC Portsmouth	05
DoD	SPIRONOLACTONE, 25MG, TABLET, ORAL	#30 RFD	NR	Expired		31 Aug 2005	GBESTER, G	30 Aug 2005	29 Sep 2005	NMC Portsmouth	05
DoD	OMETIDINE, 200MG, TABLET, ORAL	TID #30 RF1	1 of 1	Active		25 Aug 2005	GBESTER, G	25 Aug 2005	25 Aug 2006	NMC Portsmouth	05
VA	RETIN A (TRETINOIN), 0.025%, CREAM[GM]	AAA UD B1 RF1	1 of 1	Expired	Not Recorded			26 Feb 2001	26 Feb 2002	13th & Mission Dom	05
VA	HAZAC (DILTIAZEM HCL), 120MG, CAPSULE SA, DF	TID #30 UD RF1	1 of 1	Active	Not Recorded		GRISCOM, SHARON M	10 Aug 2005	10 Aug 2006	VA Pacific Islands HCS	05
VA	HAZAC (DILTIAZEM HCL), 120MG, CAPSULE	TID #30 UD RF1	1 of 1	Expired	Not Recorded		LRPROVIDER, ONE	10 Aug 2005	07 Sep 2005	13th & Mission Dom	05
Other	BUPROFEN (BUPROFEN), 100MG/PM, ORAL SUS		3 of 3	Active	Not Recorded		AA2544458	23 Aug 2005	Not Recorded	Not Available	
VA	FISH OIL (OMEGA-3 FATTY ACIDS), CAPSULE, ORAL	TID #30 UD RF1	1 of 1	Active	Not Recorded		GRISCOM, SHARON M	31 Aug 2005	30 Aug 2006	VA Pacific Islands HCS	05
Other	(BUPROFEN (BUPROFEN), 100MG/PM, ORAL SUS		3 of 3	Active	Not Recorded		AA2544458	08 Sep 2005	Not Recorded	Not Available	15
VA	VITAMIN A (VITAMIN A), 25000 UNIT, CAPSULE, OR	TID #30 UD RF1	1 of 1	Active	Not Recorded		GRISCOM, SHARON M	31 Aug 2006	30 Aug 2007	VA Pacific Islands HCS	05

Origin Column Indicates Source of Data (i.e. VA, DoD, Other [PDTs])

Color Indicates Source (Lt Blue = VA, Yellow=PDTs)

Column Name Changed to Facility/CHCS Host ("Not Available" from PDTs)

Origin, Facility and Dispensing Location Detail

OTC is an over-the-counter drug.

Allergies:

Age:

LMP: Not Recorded Pregnant: No

Medication Name: BUPROFEN (BUPROFEN), 100MG/PM, ORAL SUSP, ORAL, ALPHARMA US, 473 ml BOTTU

NDC: 00472-1270-16

Sig:

Quantity: 120.0

Refills: 3 Status: Active Order Number: 15177971-1148394-2005-09-08-254944

Refills Remaining: 3

Days of Supply: 4

Order Start Date: 08 Sep 2005@2008

Order Expiration Date: Not Recorded

Comment:

Origin: PDTs

Last Filled Date: Not Recorded

Event Date: Not Recorded

Facility/CHCS Host: Not Available

Dispensing Location: WALGREEN DRUG STORE #05580

Ordering Provider: AA2544458

Close Detail



DoD AHLTA Allergy List with VA Data

YADER, TW: Military Clinical Desktop - Allergy (Privacy Act of 1974/FOUO)

GRISCOM, MISS Q 20/066-11-2345 30yo F DOB:09 Jun 1975

Folder List

- Desktop
- Alert Review
- Appointments
- Telephone Consults
- Search
- Patient List
- Consult Log
- Co-signs
- Sign Orders
- New Results
- Reports
- Tools
- Web Browser
- CHCS-I
- Immunizations Admin
- GRISCOM, MISS Q
- Demographics
- Health History
- Problems
- Medications
- Allergy
- Wellness
- Vital Signs Review
- PKC Couplers
- Readiness
- Patient Questionnaires
- Lab
- Radiology
- Clinical Notes
- Previous Encounters
- Flowcharts
- Current Encounter
- Screening
- Vital Signs Entry
- S/O
- A/P
- Disposition

Reminders

- 1 Hour Glucose Tolerance Test (GTT)
- Amblyopia & Vision Screen
- Anemia Screen
- Anti-Tobacco Counseling

No known allergies

Verified This Encounter

Allergen	Reaction	Onset Date	Info Source	Entered By	Comments	Origin	Facility/CHCS Host
Cephalosporins	Rash	06 Oct 2005	Patient	GBTESTER, G		DoD	NMC Portsmouth
SODIUM CHLORIDE	Other: SPINOLZIE	15 Jul 2005	Unknown Source of Info	GBRST, SCOTT E	Scott's Test 09/02/2005	VA	13th & Mission Dom.
SODIUM NITRATE	Other: SPINOLZIE	15 Jul 2005	Unknown Source of Info	GBRST, SCOTT E	Scott's Test 09/02/2005	VA	13th & Mission Dom.
Sulfonamides	Urticaria	06 Oct 2005	Patient	GBTESTER, G	Two and three equals five	DoD	NMC Portsmouth

Color Indicates Source (Lt Blue = VA, White=DoD)

Column/Field Name Changed to Facility/CHCS Host

Origin Column/Field Indicates Source of Data

DoD/VA ADC Status Indicator

Allergen: Cephalosporins

Onset Date: 06 Oct 2005

Reactions: Rash

Info Source: Patient

Entered By: GBTESTER, G

Facility/CHCS Host: NMC Portsmouth

Origin: DoD



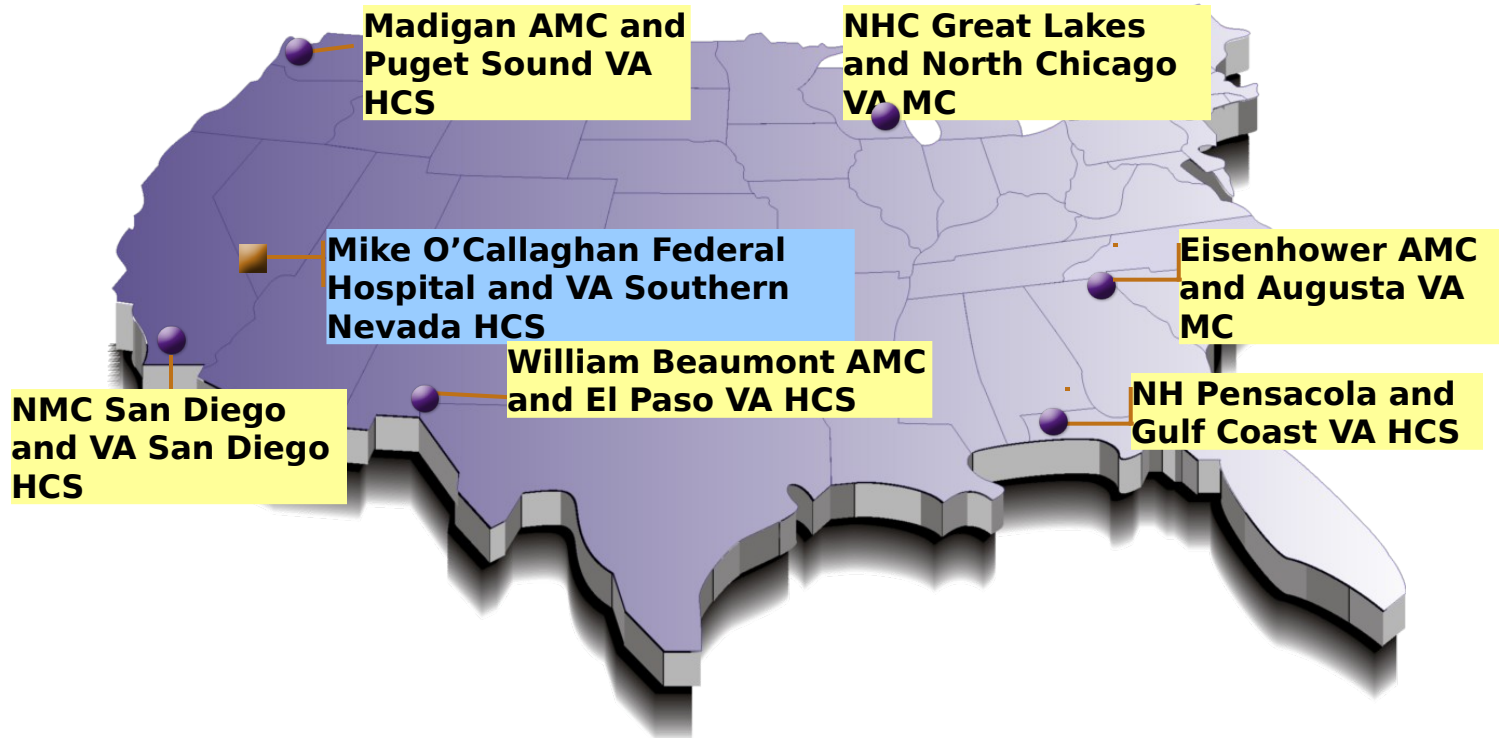
CHDR Status




- In September 2006, the agencies successfully completed testing and received Government acceptance
- DoD began deployment and VA continued field testing CHDR at 2 sites in the 1st Quarter FY 2007 and 3 sites in the 2nd Quarter FY 2007
- Current number of Active Dual Consumer (ADC) patients is 3,770 (as of January 31, 2007)
- DoD and VA continue to improve mediation success rates for pharmacy and allergy data



CHDR Operational Sites



 **CHDR Operational**

 **CHDR Implementation Planned During 2nd Quarter FY2007**



CHDR Challenges



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- Information technology differences between disparate systems
 - Lack and immaturity of clinical terminology data standards
 - Data translation and terminology mapping
 - Continuous clinical data quality review process is labor intensive
 - Patient matching and ADC activation
 - Patient naming conventions and aliases (e.g. Bob vs. Robert)
 - DoD Electronic Data Interchange Person Number Identifier (EDI_PN_ID)



CHDR Next Steps



-
- Las Vegas area to become operational in March 2007
 - DoD to distribute instructions for setting ADC status for all sites in 3rd Quarter FY 2007
 - VA to continue field testing and implementation in coordination with Remote Data Interoperability deployment
 - Laboratory domain (chemistry and hematology) terminology translation, data standardization and mapping work
 - Continue to evaluate the need for computable vs. readable data



Discussion and Questions